

HIGH-SPEED TRAIN PROJECT MERCED TO FRESNO SECTION

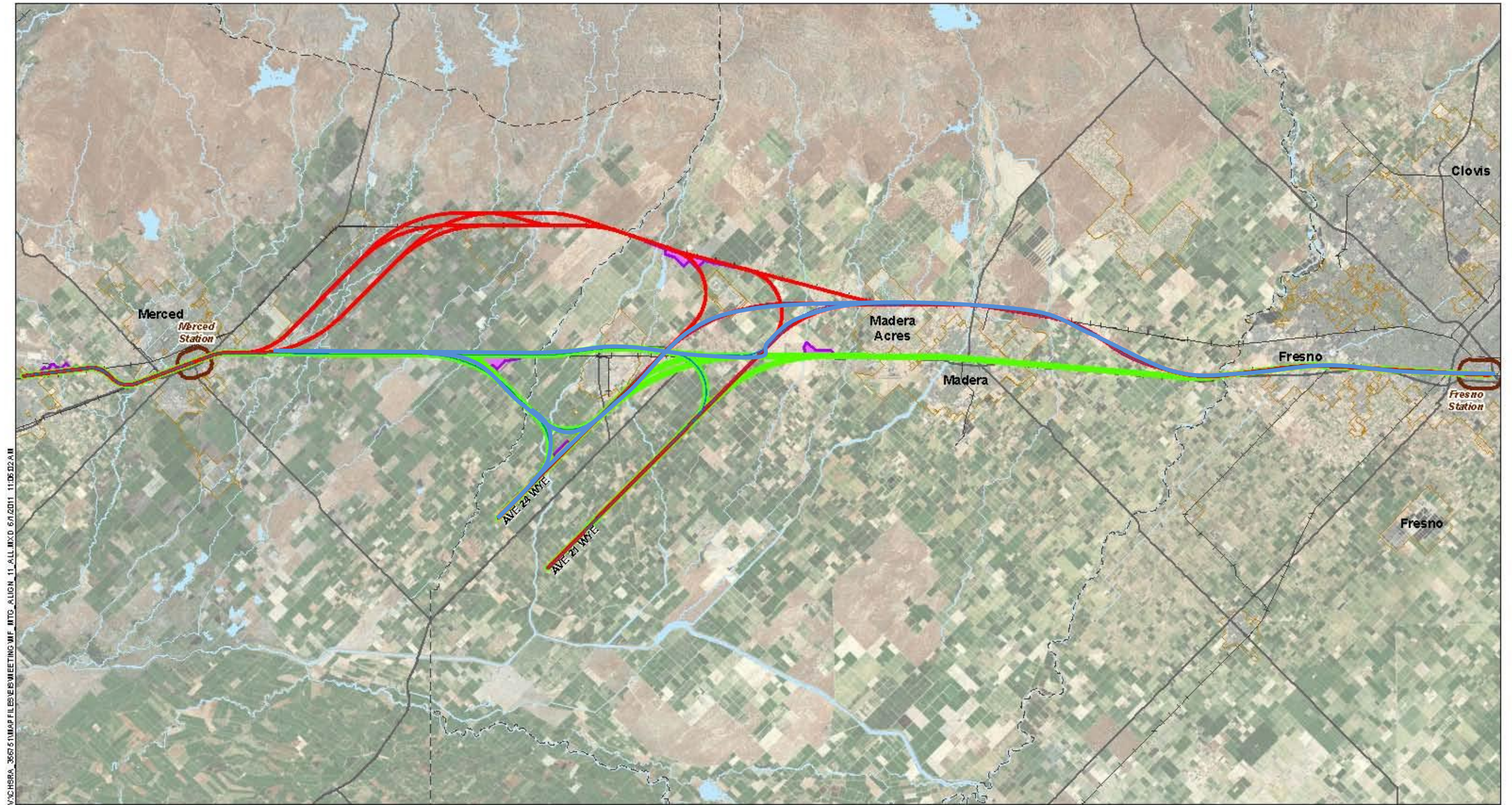
Alternatives and Design Options

Presented to:

California High-Speed Rail
Authority Board

June 2, 2011




















**BNSF (A1)
Alternative**

**UPRR (A2)
Alternative**

**Hybrid
Alternative**

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
							
	E Mission Ave		Mariposa Way		E Chowchilla	W Chowchilla	
Design Options	E Le Grand	Le Grand	E Le Grand	Le Grand			
Ave 21 Wye						N/A	
Ave 24 Wye							

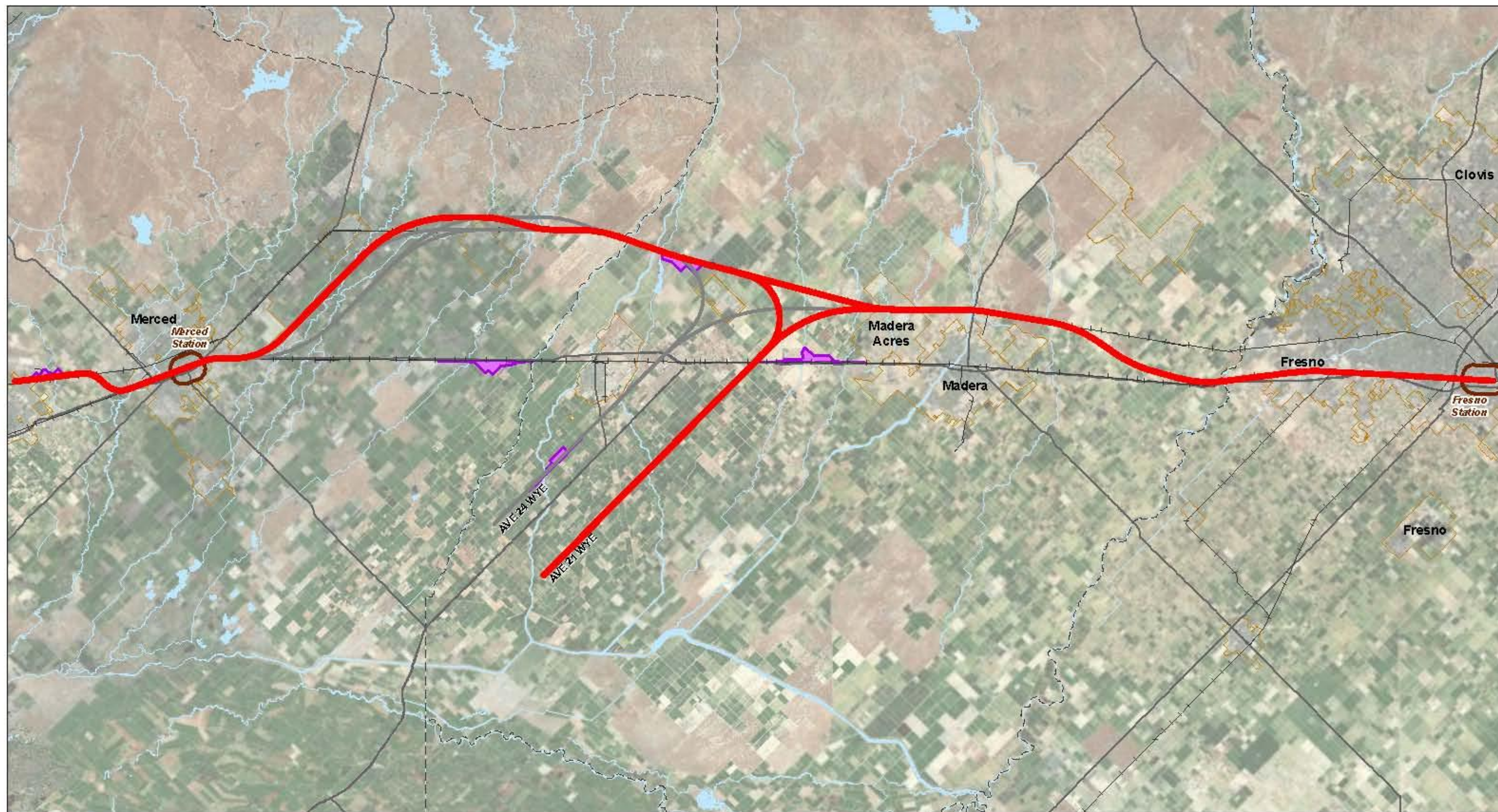
Preliminary Draft Alternatives/Subject to Change
HST Alignment is not Determined

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
Design Options	E Mission Ave		Mariposa Way		E Chowchilla	W Chowchilla	
	E Le Grand	Le Grand	E Le Grand	Le Grand			
Ave 21 Wye						N/A	
Ave 24 Wye							

Preliminary Draft Alternatives/Subject to Change
HST Alignment is not Determined



MF_MTG_ALIGN_DS_BNSF_ALL Jun 01, 2011














BNSF (A1) Alternative

☐ E Mission Ave
☐ Mariposa Way

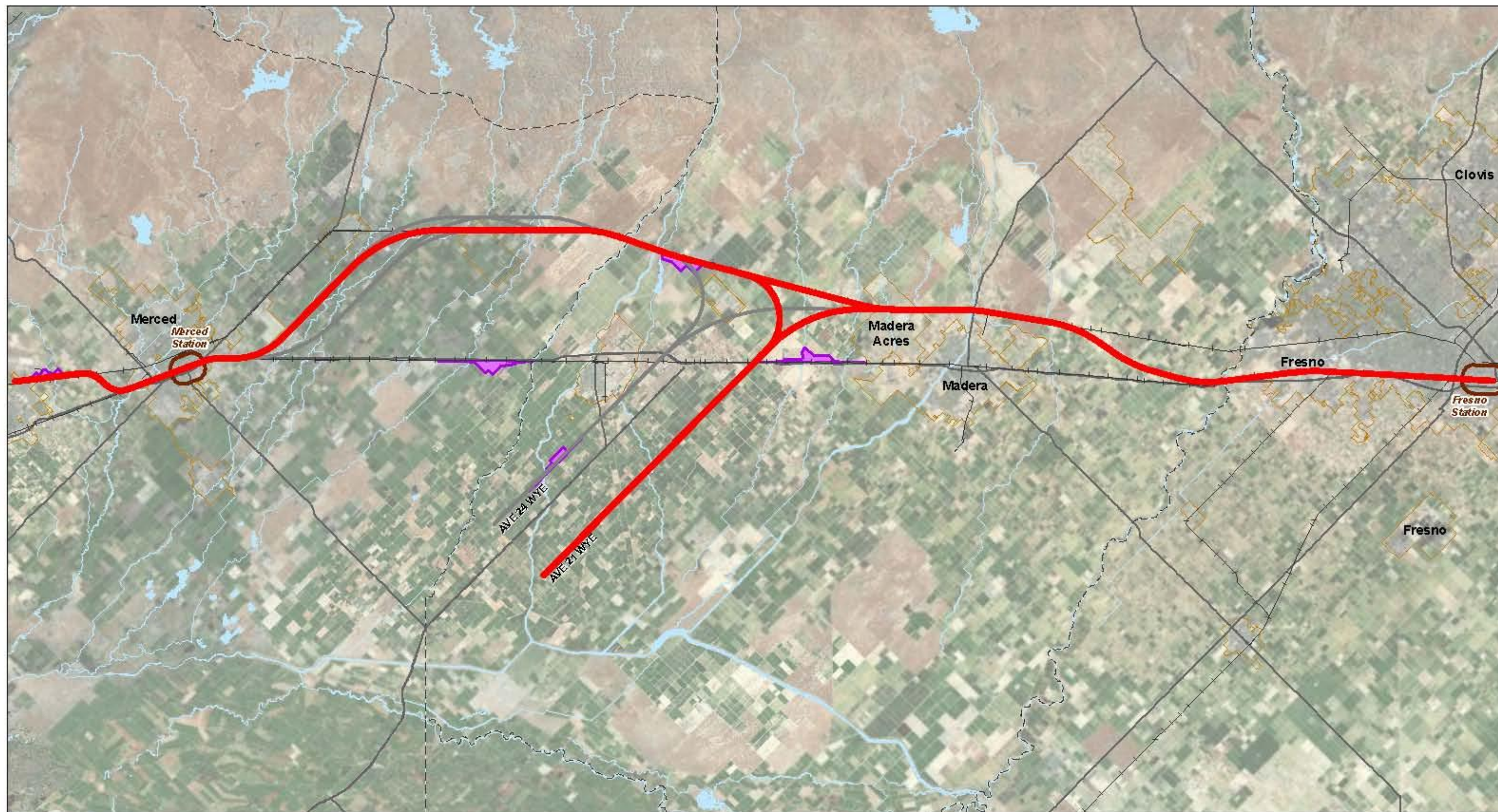
☐ East Le Grand
☐ Le Grand

☐ Ave 21 Wye
☐ Ave 24 Wye

MERCED-FRESNO SECTION ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
	E Mission Ave		Mariposa Way		E Chowchilla	W Chowchilla	
	E Le Grand	Le Grand	E Le Grand	Le Grand			
Ave 21 Wye						N/A	
Ave 24 Wye							

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HST Alignment is not Determined*



MF_MTG_ALIGN_DS_BNSF_ALL Jun 01, 2011

BNSF (A1) Alternative
















☐ **E Mission Ave**
☐ Mariposa Way

☐ East Le Grand
☐ **Le Grand**

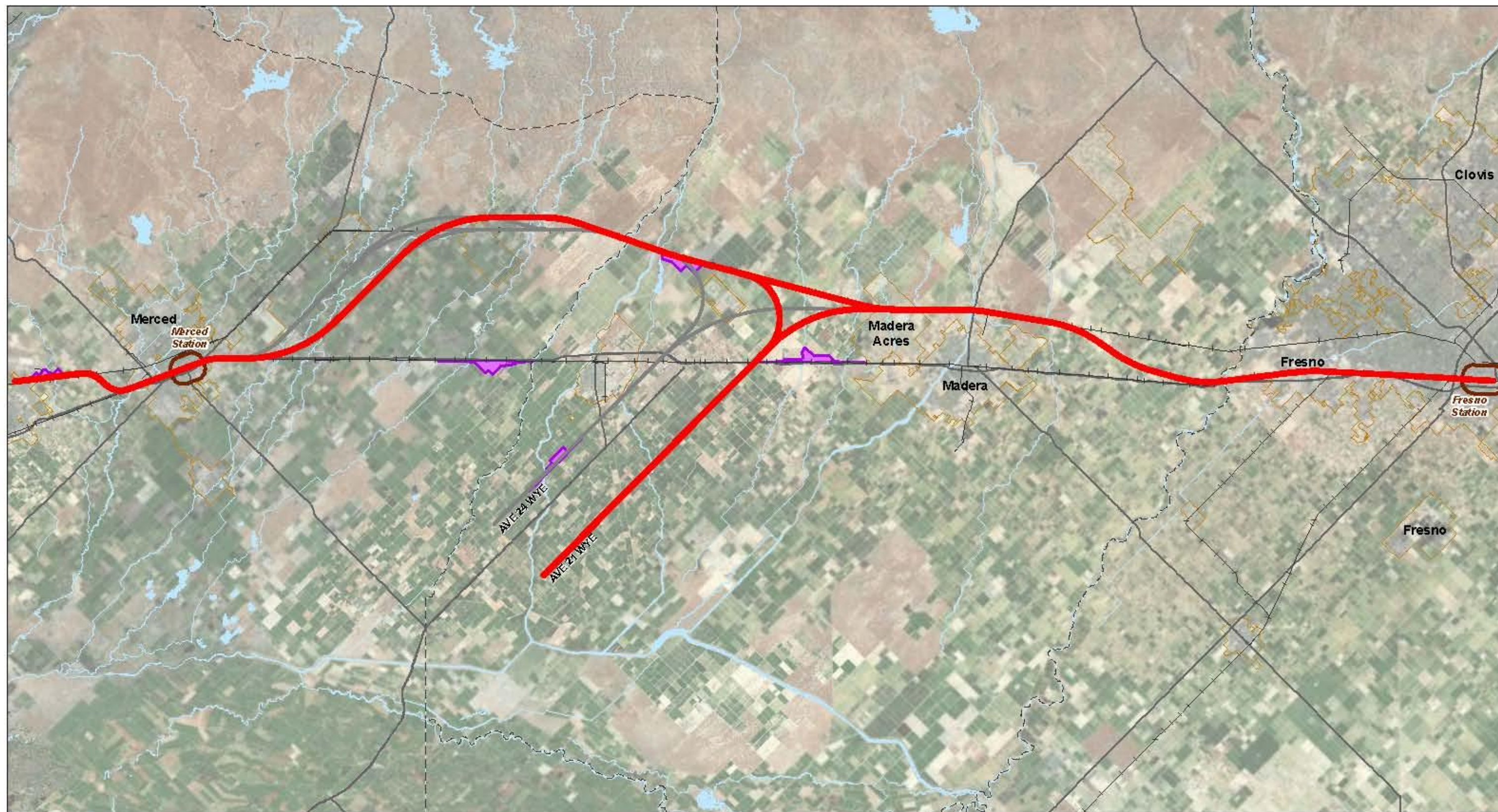
☐ **Ave 21 Wye**
☐ Ave 24 Wye

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
							
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Design Options	E Le Grand	Le Grand	E Le Grand	Le Grand	E Chowchilla	W Chowchilla	
Ave 21 Wye						N/A	
Ave 24 Wye							

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MF_MTG_ALIGN_DS_BNSF_ALL Jun 01, 2011
















BNSF (A1) Alternative

☐ E Mission Ave
☐ Mariposa Way

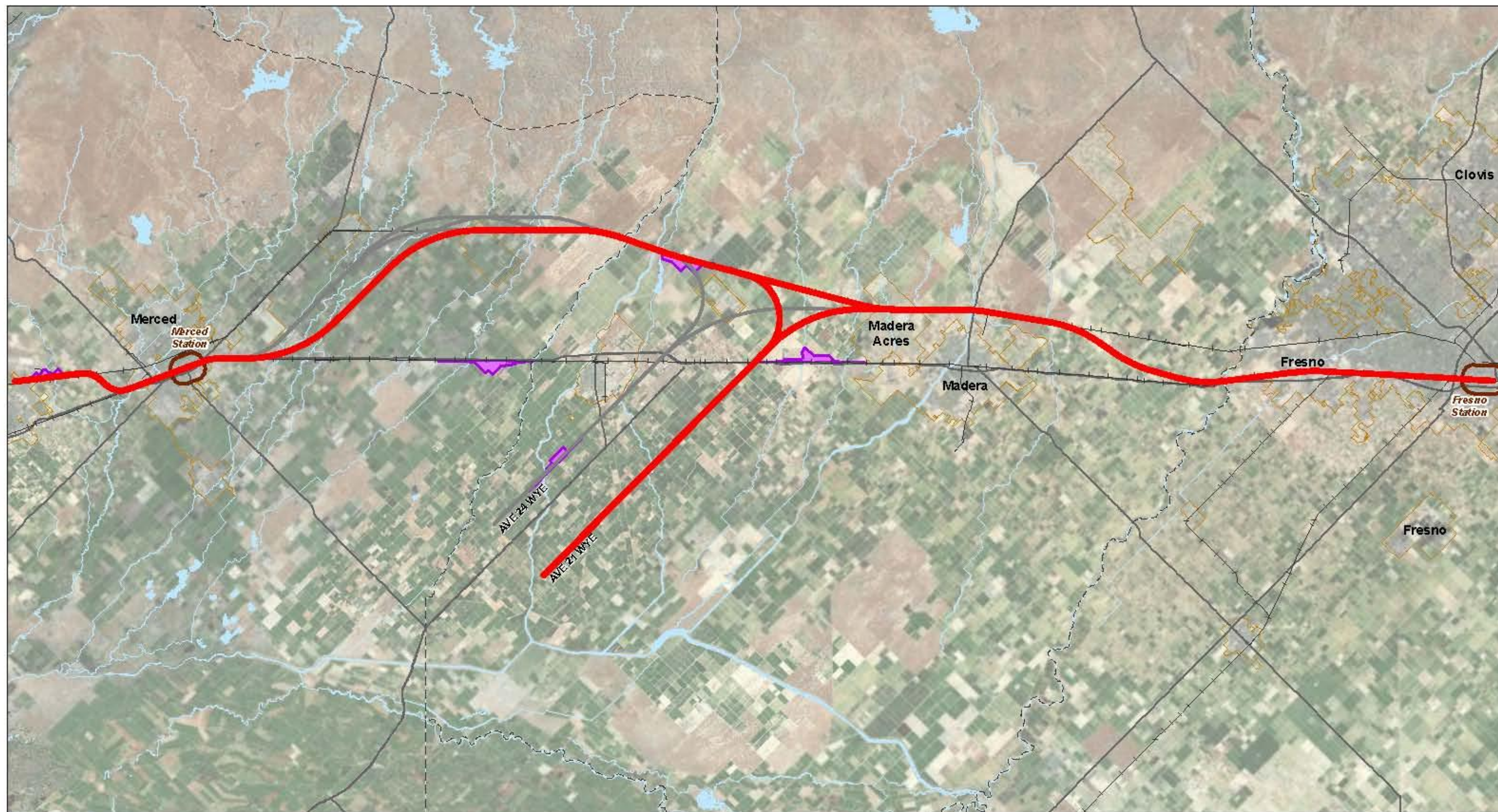
☐ East Le Grand
☐ Le Grand

☐ Ave 21 Wye
☐ Ave 24 Wye

MERCED-FRESNO SECTION ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
							
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Ave 21 Wye						N/A	
Ave 24 Wye							

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MF_MTG_ALIGN_DS_BNSF_ALL Jan 01, 2011

BNSF (A1) Alternative














☐ E Mission Ave
☐ Mariposa Way

☐ East Le Grand
☐ Le Grand

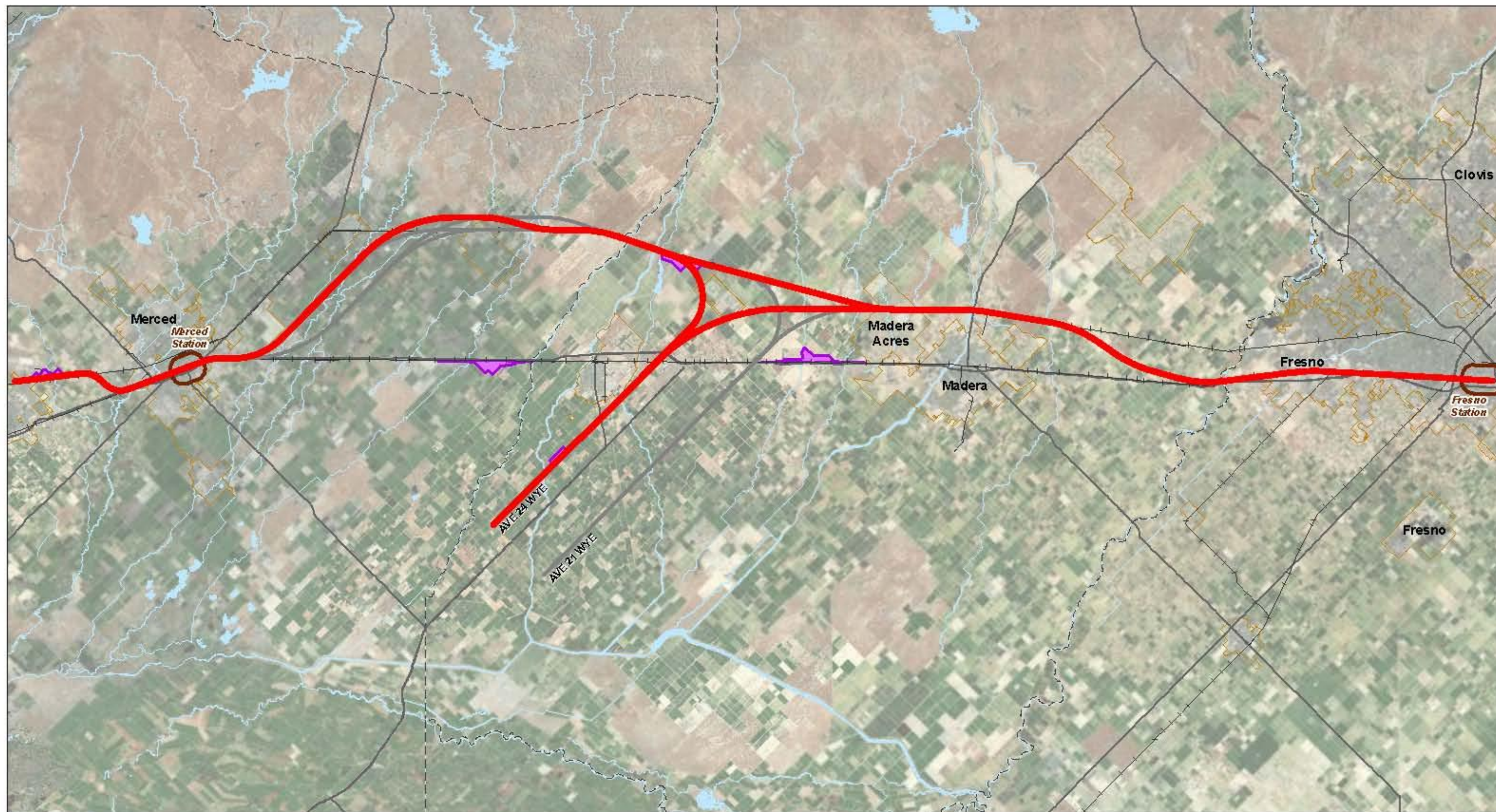
☐ **Ave 21 Wye**
☐ Ave 24 Wye

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
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Ave 24 Wye							

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MF_MTG_ALIGN_DS_BNSF_ALL Jun 01, 2011

BNSF (A1) Alternative
















☐ E Mission Ave
☐ Mariposa Way

☐ East Le Grand
☐ Le Grand

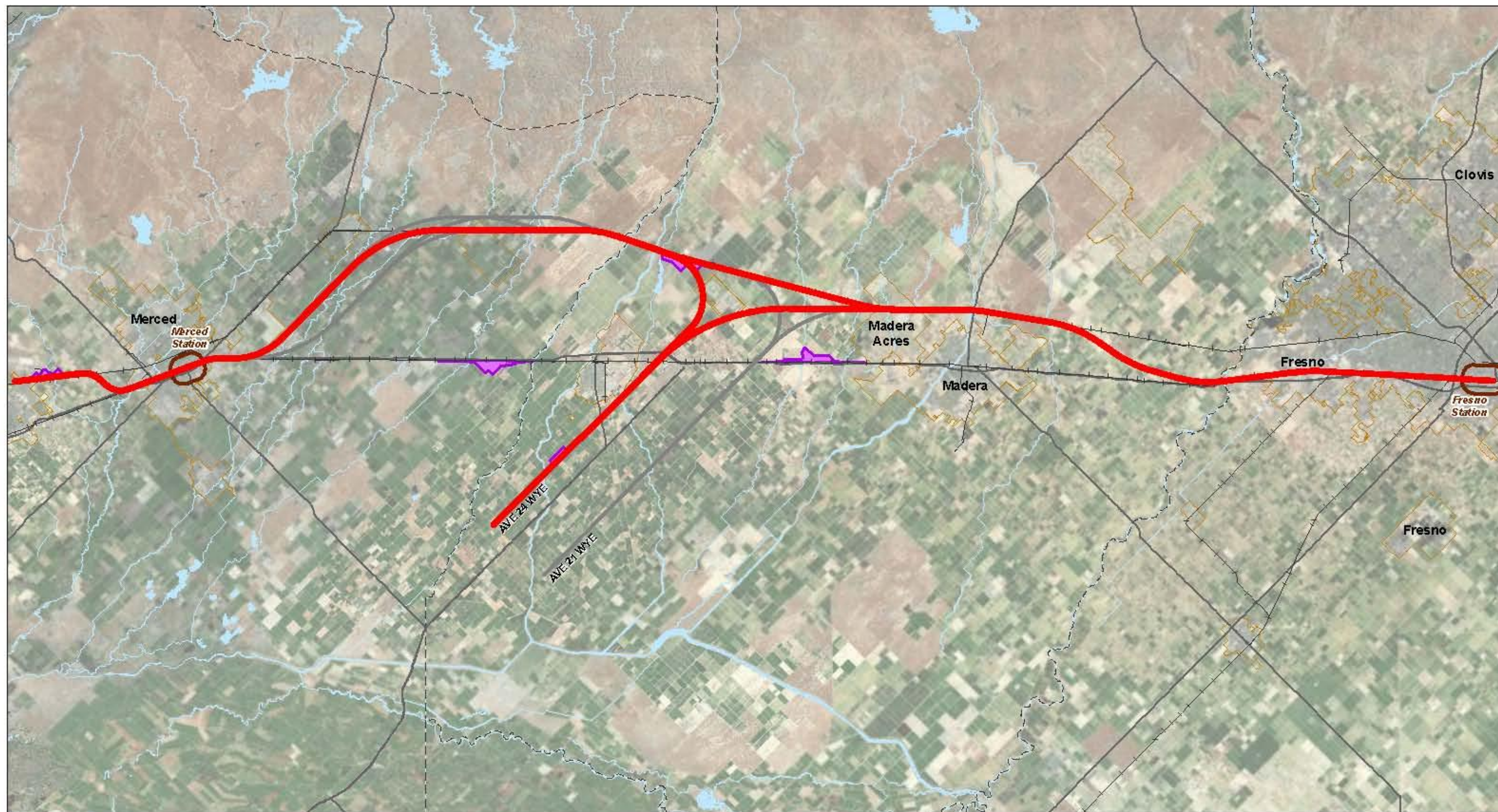
☐ Ave 21 Wye
☐ **Ave 24 Wye**

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
							
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Ave 21 Wye						N/A	
Ave 24 Wye							

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BNSF (A1) Alternative
















☐ E Mission Ave
☐ Mariposa Way

☐ East Le Grand
☐ Le Grand

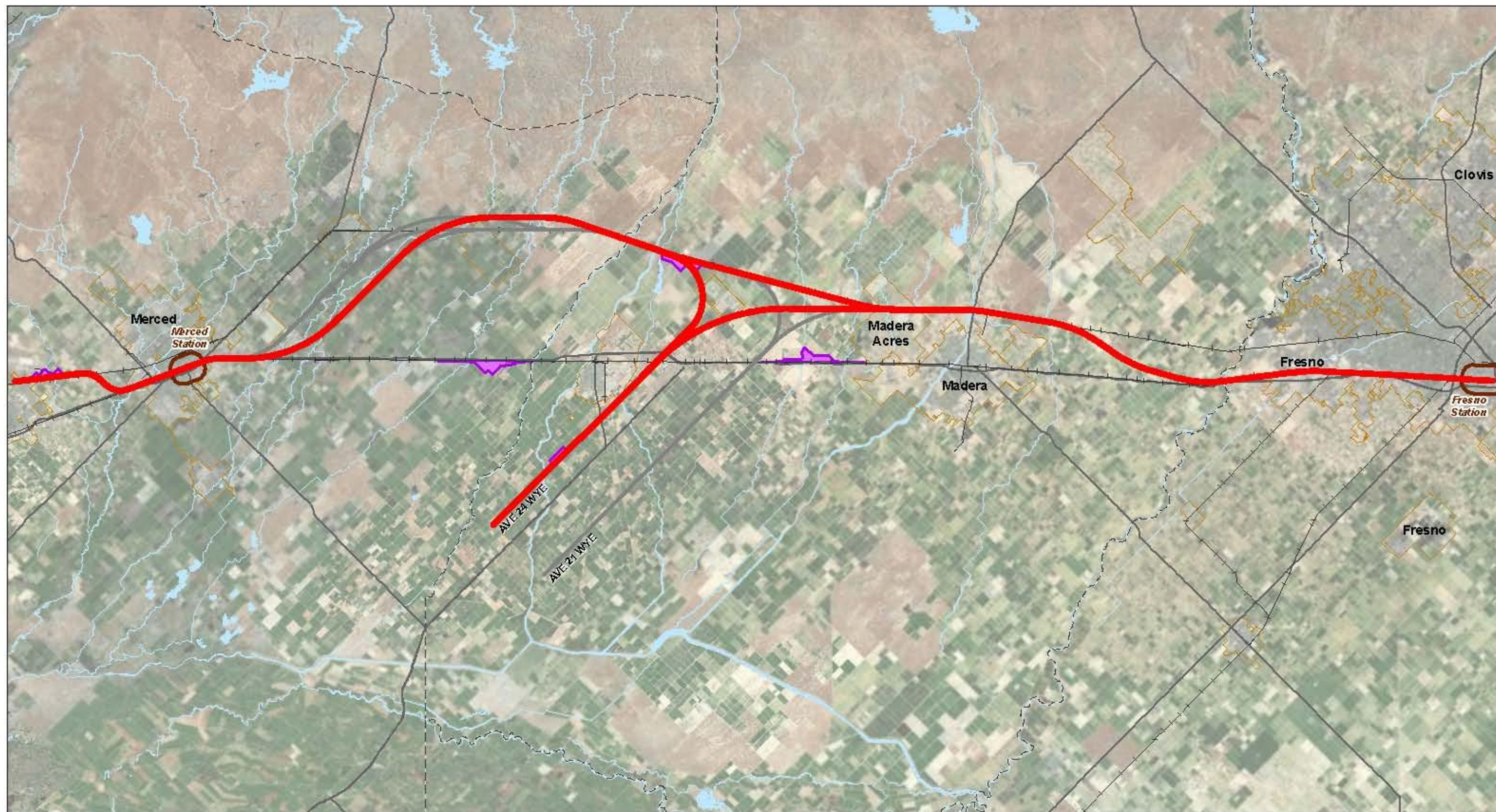
☐ Ave 21 Wye
☐ Ave 24 Wye

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
							
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Ave 21 Wye						N/A	
Ave 24 Wye							

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MF_MTG_ALIGN_DS_BNSF_ALL 01/01/2011

BNSF (A1) Alternative
















☐ E Mission Ave
☐ Mariposa Way

☐ East Le Grand
☐ Le Grand

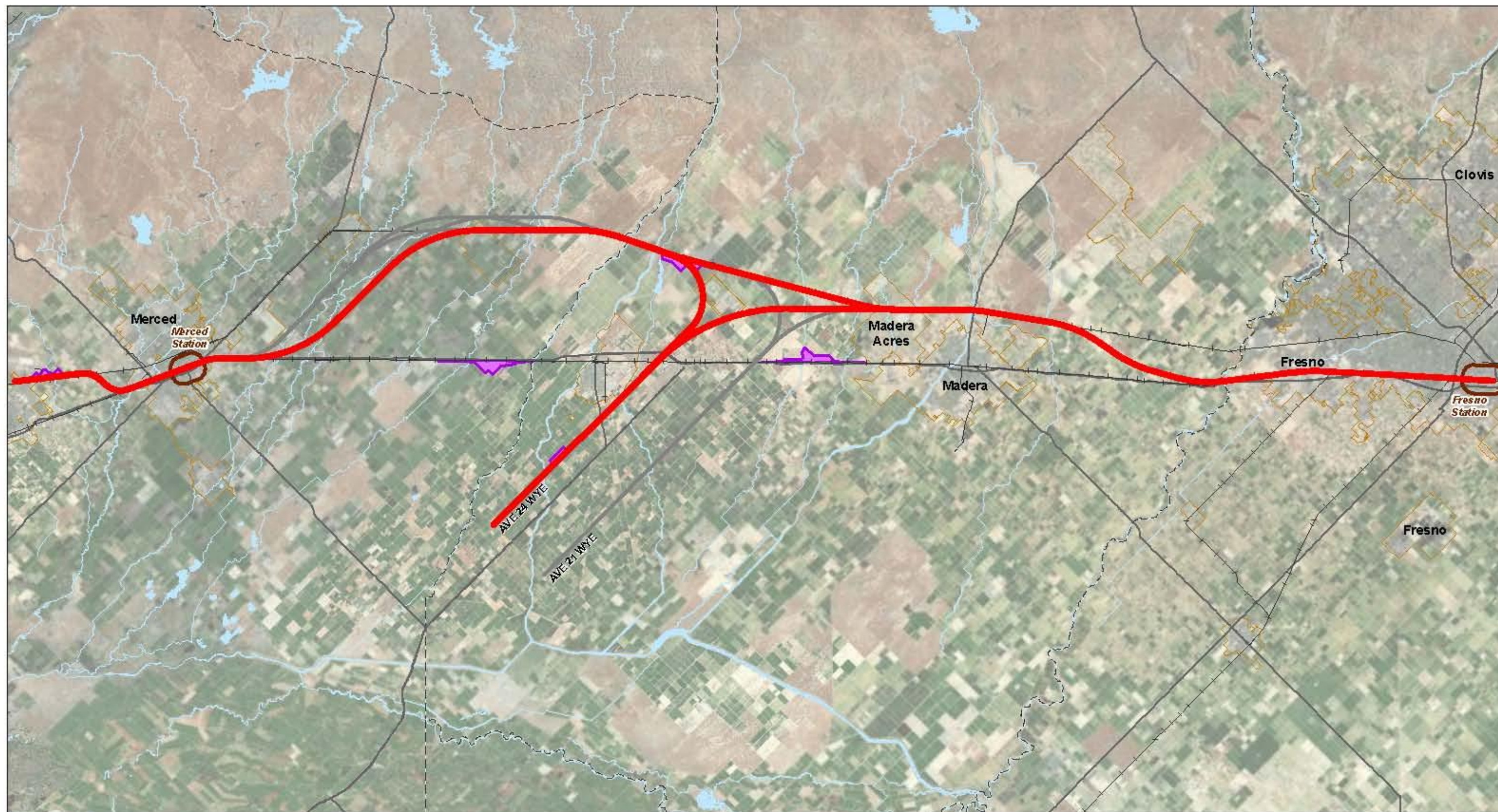
☐ Ave 21 Wye
☐ Ave 24 Wye

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

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Ave 21 Wye						N/A	
Ave 24 Wye							

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MF_MTG_ALIGN_DS_BNSF_ALL Jun 01, 2011

BNSF (A1) Alternative
















☐ E Mission Ave
☐ Mariposa Way

☐ East Le Grand
☐ Le Grand

☐ Ave 21 Wye
☐ Ave 24 Wye

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
							
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Ave 21 Wye						N/A	
Ave 24 Wye							

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MF_MTG_ALIGN_07_UPRR_ALL JUN 01, 2011
















UPRR (A2) Alternative

☐ East Chowchilla
☐ West Chowchilla

☐ Ave 21 Wye
☐ Ave 24 Wye

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
							
	E Mission Ave		Mariposa Way		E Chowchilla	W Chowchilla	
Design Options	E Le Grand	Le Grand	E Le Grand	Le Grand			
Ave 21 Wye						N/A	
Ave 24 Wye							

Preliminary Draft Alternatives/Subject to Change
HST Alignment is not Determined



MF_MTG_ALIGN_07_UPRR_ALL JUN 01, 2011
















UPRR (A2) Alternative

☐ East Chowchilla
☐ West Chowchilla

☐ Ave 21 Wye
☐ **Ave 24 Wye**

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
							
	E Mission Ave		Mariposa Way		E Chowchilla	W Chowchilla	
Design Options	E Le Grand	Le Grand	E Le Grand	Le Grand			
Ave 21 Wye						N/A	
Ave 24 Wye							

Preliminary Draft Alternatives/Subject to Change
HST Alignment is not Determined



MF_MTG_ALIGN_07_UPRR_ALL JUN 01, 2011

UPRR (A2) Alternative








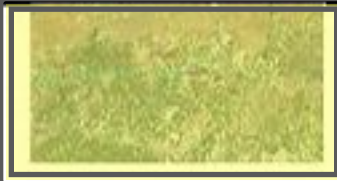







☐ East Chowchilla

☐ Ave 21 Wye

☐ West Chowchilla ☐ Ave 24 Wye

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
							
	E Mission Ave		Mariposa Way		E Chowchilla	W Chowchilla	
Design Options	E Le Grand	Le Grand	E Le Grand	Le Grand			
Ave 21 Wye						N/A	
Ave 24 Wye							

Preliminary Draft Alternatives/Subject to Change
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MF_MTG_ALIGN_09_HYBRID_ALL JUN 01, 2011

Hybrid Alternative

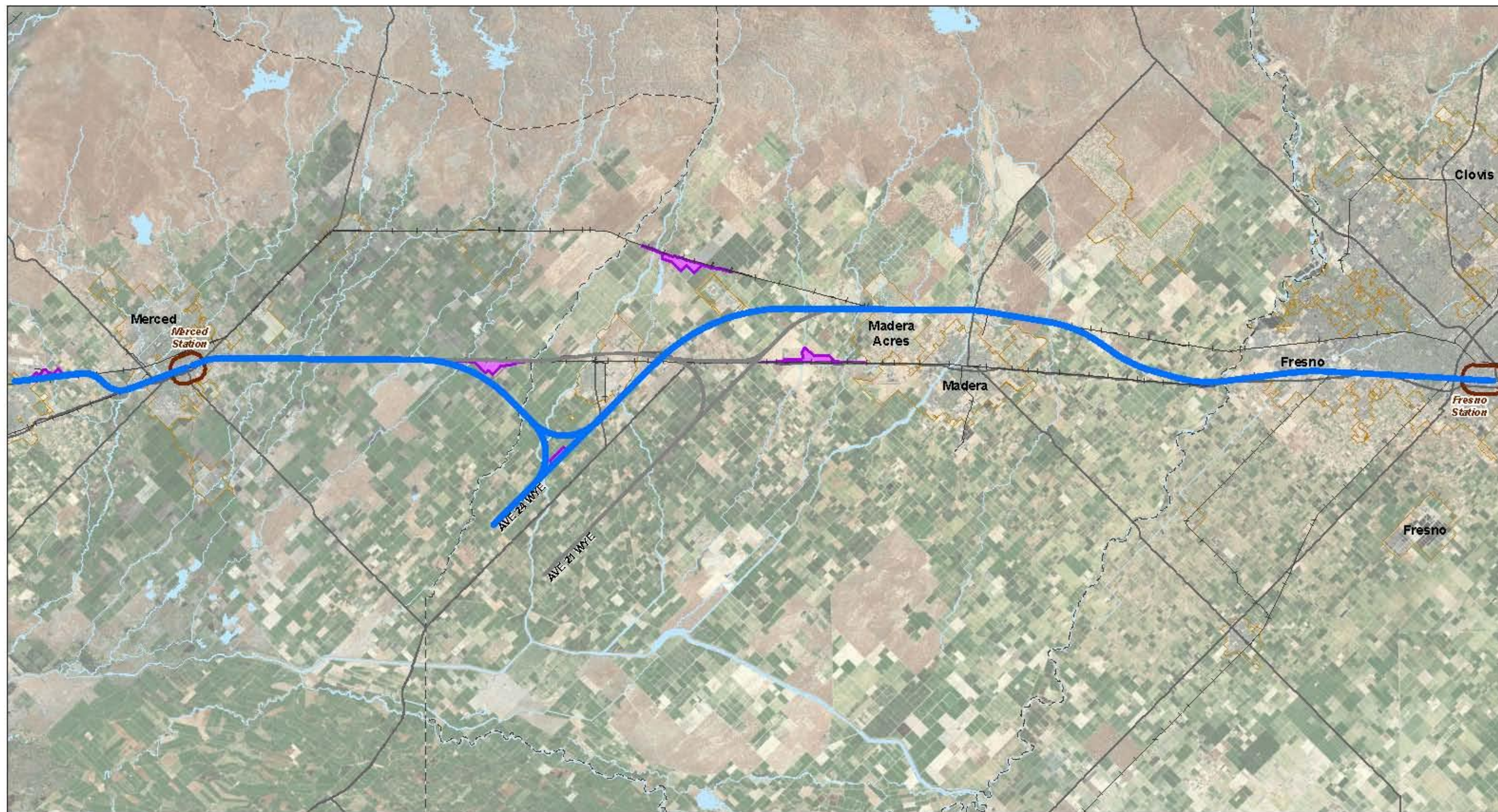
- ☐ Ave 21 Wye
- ☐ Ave 24 Wye

MERCED-FRESNO SECTION

ALTERNATIVES AND DESIGN OPTIONS

Alternatives	BNSF (A1)				UPRR (A2)		Hybrid
							
	E Mission Ave		Mariposa Way		E Chowchilla	W Chowchilla	
Design Options	E Le Grand	Le Grand	E Le Grand	Le Grand			
Ave 21 Wye						N/A	
Ave 24 Wye							

Preliminary Draft Alternatives/Subject to Change
HST Alignment is not Determined

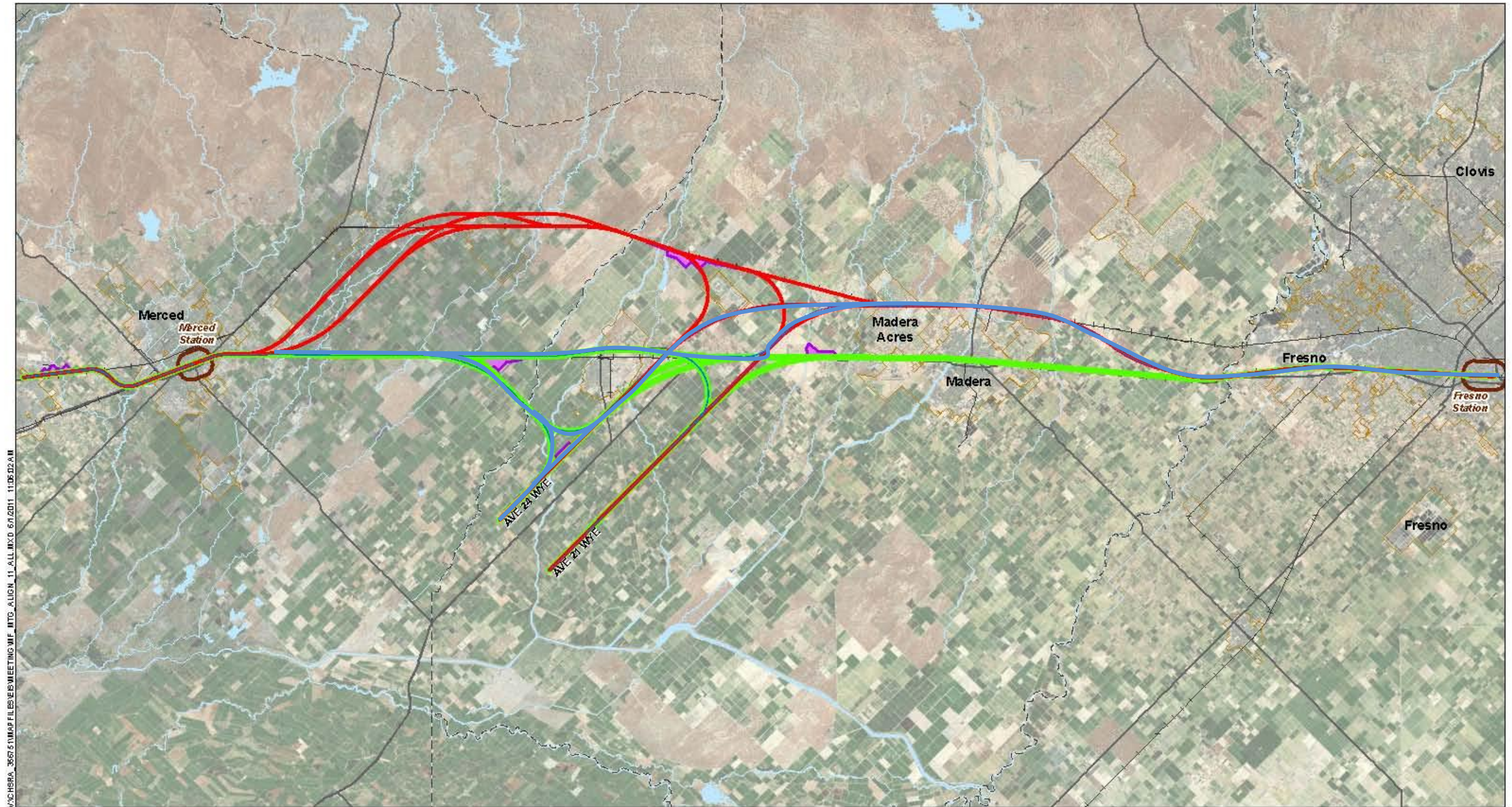


MF_MTG_ALIGN_09_HYBRID_ALL JUN 01, 2011

Hybrid Alternative

☐ Ave 21 Wye

☐ **Ave 24 Wye**



**BNSF (A1)
Alternative**

**UPRR (A2)
Alternative**

**Hybrid
Alternative**